

An Investigation of Photo-Oxidation of
Reconstituted Pyridine Nucleotides As Re-
lated to the Photobiological Effect of Short
Range Ultraviolet Radiation, by A. A.
Krasnovskiy and G. P. Brin, 9 pp.
RUSSIAN, rpt, Ul'trafiol'etovoye Izlucheniye,
1966, pp 50-56.
JPRS 43436

Sci-B&M
Jan 68

346,532

The Effect of Ultraviolet Radiation of the
Synthesis of Nucleic Acids in a Human
Amniotic Cell Culture, by V. V. Terskikh,
5 pp.
RUSSIAN, rpt, Ul'travioletovoye Izlucheniye,
1966, pp 57-60.
JPRS 43436

Sci-B&M
Jan 68

346,533

Changes in Polarographic Waves of Albumens
under the Influence of Ultraviolet Radiation,
by Ye. Ye. Rakhleyeva and I. D. Ivanov, 7 pp.
RUSSIAN, rpt, Ul'trafiol'etovoye Izlucheniye,
1966, pp 60-64.
JPRS 43436

Sci-B&M
Jan 68

346,534

Molecular Mechanisms of Lethal and Mutagenic
Effect of Ultraviolet Irradiation on Viruses
and Bacteria, by G. B. Zavil'gelskiy and
V. I. Tovarnitskiy, 18 pp.
RUSSIAN, rpt, Ul'trafiol'etovoye Izlucheniye,
1966, pp 65-77.
JPRS 43436

Sci-B&M
Jan 68

346,535

A Study of Resonant Energy Migration in
Nucleic Acids, by V. N. Gagloyev and Yu. A.
Vladimirov, 6 pp.
RUSSIAN, rpt, Ul'trafiol'etovoye Izlucheniye,
1966, pp 77-80.
JPRS 43436

Sci-B&M
Jan 68

346,536

The Mutagenic Effect of Ultraviolet Rays
on A Free and Intercellular Bacteriophage,
by A. S. Kriviskiy, 11 pp.
RUSSIAN, rpt, Ul'trafiioletovoye Izlucheniye,
1966, pp 81-88.
JPRS 43436

Sci-B&M
Jan 68

346,537

Physiological Effect of Ultraviolet Radiation,
by Ya. A. Rosin, G. M. Frank,
RUSSIAN, bk, Ul'trafiol'etovoye Izlucheniye,
1966, pp 122-130.
JPRS 41315

Sci-Phys
Jun 67

327,120

Use of Ultraviolet Radiation for Hygienic
and Therapeutic-Prophylactic Purposes, by
N. M. Dangtsig, Z. D. Gorkin, et al, 8 pp.
RUSSIAN, bk, Ul'tafioletovoye Izlucheniye,
1966, pp 203-211.
JPRS 41315

Sci-Phys
Jun 67

327,121

8

Use of Ultraviolet Disinfection of the Air
in Pharmacies, by D. A. Zil'ber, A. I. Olekh-
novich,

RUSSIAN, bk, Ultravioletovoye Izlucheniye,
1966, pp 317-321.

JPRS 41315

Sci-B&M

Jun 67

327,122

Natural Ultraviolet Radiation and Its Bactericidal Importance, by V. K. Belikova,
A. N. Sysin,
RUSSIAN, bk, Ultrafioletovoye Izlucheniye,
1966, pp 322-326.
JPRS 41315

Sci-B&M
Jun 67

327,123

Ultraviolet Spectra of Heteroorganic Compounds,
by G. F. Bol'shakov, et al. 506 pp.
RUSSIAN, book, Ul'trafiol'etovyye Spektry Getero-
organicheskikh Soyedineniy 1969, pp 1-499.
AIR/FTD/HC-23-641-70

July 71

D. G. Knorre

Ultramicroanalysis of Nucleic Acid, 224 pp approx.
RUSSIAN, bk, Ul'tramikroanaliz mukleinoovykh kislot
CONSULTANTS BUREAU/PREFACE PUBLISHED

July 72

Ultrastructure of Bacterial Viruses, by
A. S. Tikhonenko.
RUSSIAN, bk, Ul'trastruktura Virusov Bakterii.
1968.
PLENUM PRESS

Sci/EGM
Sep 68

366,485

Ultrastructural Foundations by Hypothalamic
Neurosection, by A. A. Voitkevich and
I. I. Dedov, 240 pp
RUSSIAN, bk, Ul'trastrukturnye Osnovy
Gipotalamicheskoi Mikrosekretsii, 1972
PLENUM PUBLISHING CORPORATION
CONSULTS BUREAU

mar 72

Ultrasonics in Machine Building, by
I. G. Khorbenko, 115 pp.
RUSSIAN, rpt, Ul'trazvuk v Mashinostroyeni,
1966, pp 41-67, 79-101. P100076-58-V
FTD-HT-23-997-67

Sci-Mech Engr
May 68

356,206

Ultrasonic Defectoscopy, by D. S. Shrayber,
391 pp.
RUSSIAN, bk. Ul'trazvukovaya Defektoskopiya.
1965. pp 1-391. 1100133368-1
FTD-MT-66-45

Sci-Stat
Jul 68

359,989

Ultrasound Treatment of Metals, by
V. P. Sevardenko, K. V. Gorov, et al. 154 pp.
RUSSIAN, bk, Ul'trazvukovaya Obrabotka Metallov,
1966, pp 1-158.
AIR/ETD/ET-24-439-68

sci/physics
jan 70

399,763

16 March 1973 10

Ultra-rapid cutting and cutting of biological
tissues, by B.V. Petrovskiy, V.L. Petrov et al.

Moscow, U.S.S.R. *Trudy Akademiya Nauk i SSSR Biologicheskikh
Tsinov*, 1972.

Please publish, as requested reproduce graphics and
provide JPRS/ed here with a copy and a source.

Ultrasonic Vibration in Concrete Technology, by
I. N. Akhverdov, M. A. Shalimo, 152 pp.
RUSSIAN, bk, Ul'trazvukovoe Vibrirovaniye V. Tekhnologii
Betona, 1969.
NTIS TT 70-57261

XXX June 72

B. A. Agroniat

Velocity and energy of an abrasive particle in cavitation
liquid. 13 pp.

RUSSIAN, Ul'trazvukovyye metody intensifikatsii
tekhnologicheskikh processov, No 60, 1970, pp 43-51

AIR/FTD-MT-24-202-72

nov 72

Comparative Description of the Labor Processes, the Work Cycle and Physiological Functions in the Dynamics of the Working Day in the Case of Workers Engaged in Work at the Control Panel, by A. I. Kikolov, 67 pp.

RUSSIAN, bk, Umsvermo-emotsional'noye napryazheniye za pul'tom upravleniya, pp 7-25, 42-162, 171-175.
JPRS 43700

Sci-FAM
Jan 68

347,349

Data on the Physiological Study of Work Involving a Great Deal of Nervous (Mental-Emotional) Strain, by A. I. Kikolov, 14 pp.
RUSSIAN, bk, Emotsional'noye
napryazheniye na pul'ton upravleniya, pp 7-25,
42-162, 171-175.
JPRS 43700

Sci-FRM
Jan 68

347,347

Development, Introduction, and Verification
of the Effectiveness of Physiologically Sub-
stantiated Measures for the Rationalization
of the Work of Television Studio Workers
and Rail Transport Workers, by A. I. Kikolov,
22 pp.

RUSSIAN, bk, Ustvermo-emotsional'noye
napryazheniye na pul'ton upravleniya, pp 7-25,
42-162, 171-175.
JPRS 43700

Sci-BAW
Jan 68

347,350

Methods of Investigating Mental-Emotional
Work, by A. I. Nikolov, 5 pp.
RUSSIAN, bk, Umstvenno-emotsional'noye
napryazheniye za pul'tom upravleniya, pp 7-25,
42-162, 171-175.
JPRS 43700

Sci-BAM
Jan 68

347,348

Status of Research on Work Behind a Control
Board under Industrial and Laboratory Condi-
tions, by A. I. Nikolov, 11 pp.
RUSSIAN, bk, ~~Ustroystvo i funktsional'noye naprya-~~
~~zheniya za pul' tom upravleniya~~, 1967, pp 26-41
JPRS 43175

Sci-ELM
Dec 67

346,255

Importance of Early Steps to Prevent Neuroses
and Cardiovascular Diseases from Developing in
Work Involving Intense and Prolonged Nervous
and Emotional Stress, by A. I. Kikolov, 6 pp.
RUSSIAN, bk, Unstvermo-Emotsional'noye Naprya-
zheniya za pul' tom upravleniya, 1967, pp 163-
170.

JPRS 43175

Sci-BM
Dec 67

346,256

Primitive Selling Techniques, Discount Sales Methods.

25 pp.

HOLIGOLIN, np. USSR. Jan. Moscow, 27 June 1970,

pp 2-3.

JPRS 51,596

USSR

Room

Oct 70

Service lag behind Rest of Mongolia's Progress,

10 pp.

MONGOLIAN, ap, Ulan, Ulan Bator, 29 June 1970,

p 2.

JPRS 51396

USSR

Pol

Oct 70

Unified High-Frequency Equipment for Long-
Distance Communication Terminal Stations
by O. I. Astashkina, 11 pp
RUSSIAN, rpt, Unifitsirovannoye Vysokochastotnoye
Oborudovaniye Dlya Okonechnykh Stantsiy Dal'ney
Svyazi 1966, pp 18-21
AIR/FTD/HT-23-587-09

sci/materials
apr 70

400,500

MISSION Completed *by [unclear]*
JPRS 52043

000: 01053/71 11
19 Nov 70 87

A standardized line of improved pressure-vessel
type boiling-water reactors, by I. M. Sokolov, et al.

Unifitsirovaniye i razrabotkivaniye
normativnykh kippa i reaktorov (IAB/SN-140/21).
12-16 October 1970.

Universal Decimal Classification,
RUSSIAN, bk, Universal'naya Desyatichnaya
Klassifikatsiya Otrazlevye Tablitsy po
Geologii, Geodezii, Kartografiy i Smezhnyam
Otrazlyam Nauki i Tekhniki, 1966, 218 pp.
*CESTI TT 67-514.11

Sci-Bar Sci
Apr 67

"Ural-I4D" general-purpose automatic digital computer
technical description, operating instructions, layout
and assembly, engineering specifications. 37 pp.
UNIVERSAL'NAYA AVTOMATICHESKAYA TSIFROVAYA VYCHISLI-
TEL'NAYA MASHINA "URAL-I4D." TEKHNIЧЕСКОЕ ОПИСАНИЕ
ПСИ.320.214ТО. ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ.
ПСИ.320.214И. РАЗМЕРЧЕНИЕ И МОНТАЖ. ТЕХНИЧЕСКИЕ
ТРЕБОВАНИЯ. ПСИ.320.214Д. РЕДАКЦИЯ, 1-68, 1968,
pp 1-27.
AIR/FTD-MT-24-1678-72

mar 73

"Ural" Universal Automatic Digital Computer Programming
Instruction, by L. G. Lapshina, 29 pp.

UNIVERSAL'NYE AVTOMATICHESKIYE TSIFROVYYE

VYCHISLITEL'NYE MASHINY "URAL" INSTRUKTSIYA PO

PROGRAMIROVANIYU CHAST'1. USTROYSTVA VVODAVYVODA KNIGA

8. USTROYSTVO PECHATAYUSHCHEYE ALFAVITNO-TSIFROVOYE

U-546, No 8, 1969, pp 1-22.

AIR/FTD/MT-24-1681-'72

Feb 73

N. N. Konoplya

"Ural" Universal automatic digital computers. 78 pp.
UNIVERSAL'NIYE AVTOMATICHESKIYE TSIFROVYE VICHISLITELI,
NIYE NASHINY "URAL" INSTRUKTSIYA PO PROGRAMMIROVANIYU
CHAST' 1. USTROYSTVO. VVODA-VYVOLA KNIGA 1 OBSHCHIYE
SVEDENIYA PSO.170.007.11, Vol 1, 1969, pp 1-61
AIR/FTD-MT-24-1679-'2

max 73

REQ TR CHECK

27-9-8

TGV1

PROGRAMMING INSTRUCTIONS DATA STORAGE UNITS

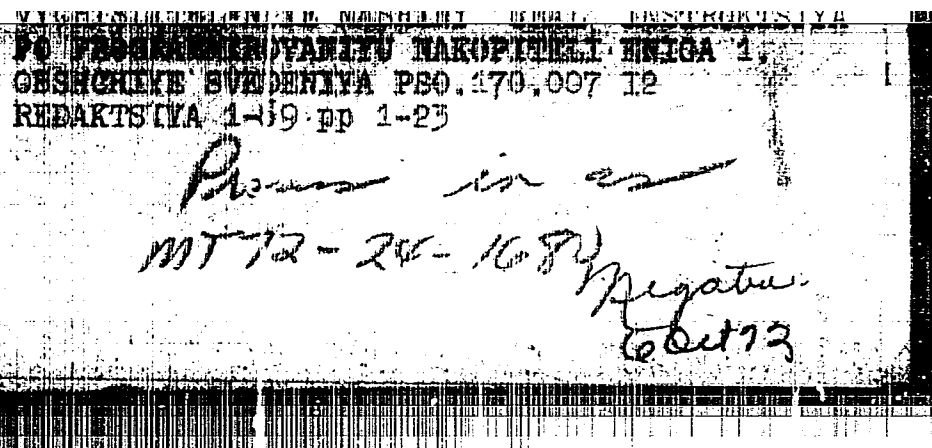
AUTHOR: UNKNOWN

URI: UNIVERSAL'NYE AVTOMATICHESKIYE TSIFROVYY

VYCHISLITEL'NYE MASHINY "URAL" INSTRUKTSIYA

PO PROGRAMIROVANIYU NAKOPITELI DANIKA 1.

ORIGINATOR: SPOKHOVAYA DSO 470 007 TO



REQ TR CHECK

27-9-6

T/U8

PROGRAMMING INSTRUCTIONS. INPUT-OUTPUT UNITS
BOOK 8. ALPHANUMERIC PRINTER U-546.

AUTHOR: UNKNOWN

UR: UNIVERSAL'NYYE AVTOMATICHESKIYE TSIFROVYYE
VYCHISLITEL'NYYE MASHINY "URAL". INSTRUKTSIYA
PO PROGRAMMIROVANIYU CHAST' 1. USTROYSTVA
VVODA-VYVODA KNIGA
U-546, PS0.170.007 II, REDAKTSIYA 1-6.

P 1-22

*Process in as**MT 72- 24-1681 Negative
@ Oct 73*

REQ TR CHECK

27-9-10

TGV3

PROGRAMMING INSTRUCTIONS STORAGE UNITS

AUTHOR: UNKNOWN

UR: UNIVERSAL'NYE AVTOMATICHESKIYE

TSIFROVYYE VYCHISLITEL'NYE MASHINY "UR" L

INSTRUKTSIYA PO PROGRAMIROVANIYE

NAKOPITELI KNIGA 2. NAKOPITEL' NA RAZNYYAKH

LENTAKH. U-420, U-435, U-445, PSO.170.007 I2

REDAKTSIYA 1969 pp 1-61

Press in as

*mt 72-24 - 1884 negative
1684 6 Oct 72*

Compaction of Noncohesive Soils by Explosions, by
P. L. Ivanov, 211 pp.
RUSSIAN, bk, Uplotnenie Nesvyaznykh Gruntov Vzryvani,
1967.
ARM/FSTC/HT-23-57221

June 72

Guidance of a Ballistic Rockets, by A.M. Zhakov
RUSSIAN, par, (Upravlyeniye Ballisticheskimi
Rakotami, Izd-vo Oborony, SSSR, Moskva, 1965,
211-240 plus table of contents & bibliography
FTD-MT-24-352-67

April 71

RUSSIAN

JC

397/70
25 Aug 69 SF

Control of Motion During Atmospheric Reentry by
D.Ye. Okhotsimskiy, A.P. Bukharina,

monograph, Upravleniye Dvizheniyem pri Vkhode
v Atmosferu, Moscow, (unknown date, place),
Special Type "B": Transl. draft plus one
incl. graphics (last page can be cut up)

T.D. 15 Sep 69
pp- return

B. N. Petrov

*Soviet works on automatic control in space. 17 pp.
RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967, pp 11-18
NASA TT F 14, 379*

sept 72

A. S. Kaohanov

*Construction of systems control for rocket-carriers and
space objects, performing evolutions around center of
mass. 17 pp*

*RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967, pp 19-28*

NASA TT F 14,380

sept 72

A. T. Toryashenkov

System for the investigation and automatic testing of
the dynamic characteristics of the automatic device for
the stabilization of the booster and space flight
vehicle. 14 pp

RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967, pp 29-36

NASA TT F 14,381

sept 72

V. A. Sarychev

Conditions of stability of the system of gravitational
stabilization of satellites with a hydrodamping. 13pp
RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967 pp 291-298
NASA TT F 14,382

sept 72

V. A. Rysin

*Optimum strategy in the correction of the trajectory of
space vehicle 19 pp*

*RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967, pp 357-367*

(NASA TT F 14,383

sept 72

B. N. Petrov

*Criteria of the optimization of low-thrust engines of
limited power and the method of their identification
RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967 pp 377-390*

(NASA TT F 14,384

sept 72

V. C. Vedrov

System control the space motion of a space vehicle ^{12 pp}
apparatus during the return to the Earth's atmosphere.

RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, 1967. pp 464-471

ONASA TT F 14,385

sept 72

I. S. Ukolov

Use of a system of variable structure for the control
of the range of space vehicle entering the earth's
atmosphere. 20 pp

RUSSIAN, bk, Upravleniye kosmicheskimi apparatami i
korablyami, ~~1977~~, pp 471-481 1967
ANASA TT F 14,386

sept 72

R. V. Studnev

Gas-dynamic control of the banking motion of a space
vehicle in the atmosphere. 24 pp

RUSSIA: bk, Upravleniye kosmicheskimi apparatami i
korab. mi, 1967, pp 482-496

NASA TT F 14, 387

sept 72

Method of Analyzing Random Parametric Effects in
Spacecraft Control Systems, by Ye. A. Pedosov,
G. G. Sebryakov, 13 pp.
RUSSIAN, per, Upravleniye Kosmicheskimi Apparatami
i Karablyami, Moscow, 1971, pp 552-561.
JPRS 56134

June 72

Evaluating the Precision of Spacecraft Control
Systems, by E. N. Petrov, A. Ya. Andriyenko, 12 pp.
RUSSIAN, per, Upravleniye Kosmicheskimi Apparatami
i Korabliami, Moscow, 1971, pp 562-572.
JPRS 56134

June 72

1970-1971, Moscow, Vol. 4, 1970, pp 88-99.
JPRS 54024

Sept 71

~~Estimate Cost Accounting at Industry Research~~
~~Institutes, by L. Tul'chinskii, A. Anshina,~~
~~8 pp.~~

~~RUSSIAN, por. Upravleniye, Planirovaniye i Organizatsiya Nauchnykh i Tekhnicheskikh Issledovaniy: Otsyagotvornykh Raschet i Ispolneniye Stimulirovaniye Nauchnykh i Tekhnicheskikh~~

Степанов, Павел Павлович. Исследования
Станции радиоизлучения в Технической
Инженерной. Москва, Vol 4, 1970, pp 137-145.
JPRS 54024

D. A. Ogorodnikov

Boundary layer control of hypersonic air inlet
RUSSIAN, Presented at the First International
Symposium on Airbreathing Engines, Marseille,
France, June 1972
*NASA TT F 13,927

Upr. Pogranichnym Sloyem v Giperzvukovykh Vozdukhosobornikakh

00, 72

REQ TR CHECK

27-03-73

T427

FLIGHT CONTROL OF AIRPLANES AND HELI-
COPTERS

BORODIN, V.T.; RYL'SKIY, G.I.

UR: UPRAVLENIYE POLETOM SAMOLETOV I
VERTOLETOV, 1972, pp. 1-238

Process in as

MT 73-24-0318

Routing of Trunk Lines and Traffic in City
Telephone Exchanges, by O. A. Anufrieva, et al.
RUSSIAN, bk, Upravlenie Setyami Svyazi i Sintez
Upravlyayushchikh Ustroistv. Akademiya Nauk SSSR.
Institut Peredachi Informatsii. 1969, pp 12-15.
NTC 71-14454-17B

Feb 72

Structural Reliability of Homogeneous
Probabilistic Communications Networks,
by V. P. Polesskii.
RUSSIAN, rpt, Upravlenie Setyami Svyazi i
Sintez Upravlyayushchikh Ustroistv, 1969,
pp 16-21.
NTC-71-14965-17B

Feb 72

Principles of Controlling Microorganism Growth
Rate, by N. D. Iyerusalimsky, 15 pp.
RUSSIAN, per, Ukravlyayemy Biosintoz, 1966,
pp. 5-19.
JPRS 41143

USSR
Sci-B&M
Jun 67

328,527

The Prospects of Mass Cultivation of Algae to
Obtain Fodder Biomass, by V. A. Kordyum, 7 pp.
RUSSIAN, per, Upravlyayemy Biosintez, 1966,
pp. 61-68.
JPRS 41143

USSR
Sci-B&M
Jun 67

328,528

A Device for Controlled Flow Cultivation of Algae
With Automatic Measurement, Recording, and
Regulation of Suspension Density, by L. N.
Tsoglin, V. Ye. Semenenko, F. M. Bochcher, and
Yu. N. Filippovskiy, 7 pp.
RUSSIAN, per, Upravlyayemyy Biosintez, 1966,
pp. 324-330.
JPRS 41143

USSR
Sci-B&M
Jun 67

323, 529

Table of Contents [of Original Source] 8 pp.
RUSSIAN, per, Upravlyayemy Biosintez, 1966,
pp. 367-370.
JPRS 41143

USSR
Sci-B&M
Jun 67

328,531

REQ TR CHECK

10-04-73

T507

PRINCIPLES OF DESIGNING THE "DNEPR-2"
SYSTEM

BELKINA, L.M.; YGIPKO, V.M.

UR: UPRAVLYAYUSHCHAYA VYCHISLITEL'NAYA
SISTEMA "DNEPR-2", 1972, pp. 3-17*Process in as**MT73-24-0392*

Process Control Computers, V. I. Loskutov.
RUSSIAN, bk, Upravlyayushchiye Matematicheskiye
Mashiny, 1967, pp 209-211, 243-245, 251-253,
262-270, 306, 308, 315-317, 320, 348-352, 355-360,
362-399, 402-415, 416-442, 455-483.
FTD-S-190 /38-6

Dec 68

371,011

Digital Control Computers for the Automatic
Addressing of Goods, by N. G. Kogon, et al,
47 pp.

RUSSIAN, bk, Upravlyayushchiye tsifrovyye mashiny
dlya avtomaticheskogo adresovaniya (Kogon, 1966,
pp. 1-154.
JPRS 42179

USSR

Sci-Electronics

Sept 67

338,868

Simplifying Electrical Systems for Modeling, by
N. N. Shehedrin, 150 pages.
RUSSIAN, bk, Uproshchenie Elektricheskikh Sistem
pri Modelirovanii, 1966.
*CASTI TT-69-53013

Sci-Elec
Feb 69

Strengthening Rail Steel by Inoculation,
by. L. I. Tushinskiy.
RUSSIAN, per, Uprochnenie Rel'sovoi Stali
(Novosibirsk), 1966, pp 3-16.
BISI 6649

Sci-Mat
May 69

382,468

ELASTICITY AND INELASTICITY

OGIBALOV, P. M. LANGUAGE-RU COUNTRY-UR

UPRUGOST' I NEUPRUGOST'

PUB. MOSCOW UNIVERSITY, 1971, 257PP, ISSUE 1

FSTC-HT-23-2535-72

Mechanics of Viscoelastic Media, by
M. I. Rozovskiy. 96 pp.
RUSSIAN, bk, Uprugost' i Plastichnost', 1967,
pp 165-250.
AIR/FID/HT-23-759-68

sci/physics
july 69

384,311

by Albert Zerkovskiy, 10 pp.
 RUSSIAN, poor, 1961, 8 word/symbols, No 7, Feb 1970,
 RP 78-04,
 JPRS 50970

USSR
MIL
Jul 70

Interced, 12 pp.
RUSSIAN, per, Ural, Sverdlovsk, No 5, May
1970, pp 113-119.
JPRS 51100

Sci-Misc
Aug 70

See Attitude toward High Bombing described, by
Boris Rykmanin, 14 pp.
RUSSIAN, per, Izvestia, Sovetskoye, No 6, 1970,
pp 85-90.
JPRS 51428

USSR
Born
Oct 70

Demographic Situation in Ural Economic Region
Described, by P. Kuznetsov, 115 pp.
RUSSIAN, poor, transl, introduction, 1 p., 10 p.
pp 94-100.
JPRS 53093

May 71

Academician Benjaminy Diakonoff: Current Cultural
Revolution, 112 pp.
RUSSIAN, par, Ural, Sverdlovsk, No 3, Mar 1971,
pp 140-156.
JPRS 53027

71

Party Ideas Being Implemented, by
S. V. Vansovskiy, 10 pp.
RUSSIAN, per, Intl. Herald, No 7, July 1971,
pp 3-10.
JPRS 34053

Sept 71

"Ural--Russian Federation"

RUSSIAN: Ural (sub-title:) Rossiyskaya Federatsia
pp 100-108, 114-137, 159-176, 199-206,
214-223, 236-243, 273-277, 303-307, 327-
330. (historical data omitted) *Moscow, 1969.*

DIA LN 249-73

January 73

S. I. Doroshek

*Iron-nickel and iron-cobalt alloys with special
magnetic and elastic properties. 11 pp.*

RUSSIAN, Ural'skiy gosudarstvennyy universitet.

*Magnitnyye Magnitomekhanicheskiye i Elektricheskiye
svoystva ferromagnetikov, No 4, 1968, pp 108-117*

AIR/FTD-MT-24-2150-71

oct 72

Influence of Alloying on Resoftening and High-
Temperature Strength of Chrom-Nickel Austenite,
by V. K. Farafonov, M. M. Shteynberg, et al. 16 pp
RUSSIAN, met., Ural'skiy Mashinostroitelny'y
Zavod, Sverdlovsk. Nauchno-issledovatel'skiy
Institut Tyazhelego Mashinostroyeniya.
Proizvodstvo Krupnykh Mashin, No 13, 1966,
pp 128-144.
AIR/ITD/INT-23-1462-67

sci/materials
feb 69

376,491

High-Temperature Thermochemical Working of
Large Chrom-Nickel-Tungsten Austenitic Steel
Forgings, by Ye. H. Sokolov, B. D. Titorov,
et al. 8 pp.

RUSSIAN, per, Ural'skiy Mashinostroitel'nyy
Zavod, Sverdlovsk. Nauchno-issledovatel'skiy
Institut Tyazhelaye Mashinostroyeniya.
Proizvodstvo Krupnykh Mashin, No 13, 1966,
pp 153-160.

ADR/FTD/IR-23-1462-67

sci/materials
feb 69

376,492

Uranium and Its Alloys, by Ya. N. Sokurskiy,
Ya. M. Sterlin, 289 pp.
RUSSIAN, bk, Uran i Yego Splavy, Moscow, 1971,
pp 5-66, 331-437.
JPRS 57364

Nov 72

Equations of State for Solids at High Pressures
and Temperatures, by V. N. Zharkov, V. A. Kalinin.
311 pp.

RUSSIAN, bk, Uravneniya Sostoyaniya Tverdykh Tel
pri Vysokikh Davleniyakh i Temperaturakh, 1968,
CONSULTANTS BUREAU/ PLENUM PRESS

R F D CMC pp. 1, 2, 3

sci/ physics
sept 69

390,876

Questions for Convolution and Projective Methods
for Their Solution, by I. M. Gokberg,
I. A. Mel'nikova. 336 pp approx.
RUSSIAN, bk, Urzheniya v Sostizakh i Proekt-
sionnye Metody ich Resheniya.
PIENUM PRESS

sci/b and m
aug 70

English Title Unknown, by I. C. Gohberg, 352 pp.
RUSSIAN, bk, Uravneniya V Svetkakh i Proektsionnye
Metody Ikh Resheniya, 1971.
*American Mathematical Society

Nov 71

Equations of State and Association of Real Gas,
7 pp.

RUSSIAN, bk. Uravnenie Sostoyaniya i Assotsiat-
siya Real'nogo Gasa, 1969, pp 63-67.

ACSI-J-9515

FSTC-HT-23-451-71

Aug 71

Surge Tanks for Hydropower Plants, by V. A. Orlov.
RUSSIAN, bk, Uravnitelnye Rezer-vuary Gidroelektrostentsiy
1968.

*NTIS TT 71-53084

June 71

On Synthesizing Oscillating Systems of
Balancing Devices, by G. N. Petrov.

RUSSIAN, rpt, Uravnovesivaniya Mashin
i Proborov, 1965, pp 17-45.

AIR/FTD/HT-23-771-67

AD 679 733

Sci-Phys
Feb 69

372,944

Some Peculiarities of Vibration and Balancing
of High-Speed Rotors, by Ye. A. Panifilov,
RUSSIAN, per, Uravnoveshivaniye Mashin i
Proburuv, 1965, pp 91-92.

ACSI J-1783

ID 2204007967

Sci-Mech
Jun 67

327,998

Experiences During Balancing of Turbine Rotors
at the Kaluga Turbine Factory, by
Yu. A. Shchetsinskiy.

RUSSIAN, per, Uravnoveshivaniye Mashin i Pri-
borov, 1965, pp 232-234.

*PTD-HT-23-1231-67

Sci/Energy Conversion
Aug 67

Some Problems in Balancing of Rotors of
Gyroscope Devices, by K. S. Terekhova.
RUSSIAN, rpt, Uravnovesivaniya Mashin
i Proborov, 1965, pp 255-257.
AIR/FTD/INT-23-771-67 AD 679 733

Sci-Nav
Feb 69

372,945

Investigation of the Possibility of Balancing
Gyroscopes Rotors at Operating Speeds, by
T. P. Kozlyaninov, 32 pp.

RUSSIAN, rpt, Uravnoveshivaniye Mashin i Priborov,
1965, pp 257-289. P100243463-V
FTD-MT-24-365-67

Sol-Navi, Comm, De%, and Countermeas
Oct 68 367,537

An Investigation of the Effect of Oscillations
Arising in Anti Friction Bearings on the Pre-
cision of Balancing Rotors, by A. A. Shubin.
23 pp.

RUSSIAN, per, Uravnovesivaniye Mashin i Priborov
1965, pp 317-342.

ACSI J-1786

ID 2204008267

Sci/Methods & Equipment
Sep 67

338,130

Determination of Permissible Imbalances for the
Rotors of Aviation Gas Turbine Engines, by
A. A. Chistyakov.
RUSSIAN, rpt, Uravnoveshivaniye Mashin I Priborov,
1965, pp 478-496.
ACSI J-3863
ID 2204057267

Sci/Prop & Fuels
Apr 68

351,447